

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
 Data File : BF112258.D
 Acq On : 26 Jan 2019 3:20
 Operator : JU/SJ
 Sample : K1223-09RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-URE

Manual Integrations
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 1/29/2019 12:32:00 AM

Quant Time: Jan 28 01:03:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 25 16:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	278624	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	1074998	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	488473	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	784998	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	529905	20.00	ng	-0.01
87) Perylene-d12	15.47	264	520967	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	746794	56.93	ng	0.00
7) Phenol-d6	6.49	99	930162	51.03	ng	-0.02
23) Nitrobenzene-d5	7.40	82	574309	30.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	225848	39.72	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1046976	30.31	ng	-0.01
79) Terphenyl-d14	12.94	244	697648	24.80	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	105996	2.793	ng	98
71) Phenanthrene	11.39	178	442693	10.847	ng	98
72) Anthracene	11.44	178	85990	2.115	ng	99
75) Fluoranthene	12.57	202	502749	11.486	ng	99
78) Pyrene	12.80	202	432138	11.779	ng	97
81) Benzo(a)anthracene	13.99	228	207803	6.671	ng	99
83) Chrysene	14.03	228	192152	6.462	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	59568	2.364	ng	100
86) Indeno(1,2,3-cd)pyrene	16.94	276	83960	3.563	ng	95
88) Benzo(b)fluoranthene	15.04	252	241491m	7.751	ng	
89) Benzo(k)fluoranthene	15.07	252	94897m	3.180	ng	
90) Benzo(a)pyrene	15.41	252	159973	5.706	ng	# 94
92) Benzo(a,h,i)perylene	17.39	276	79458	3.728	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

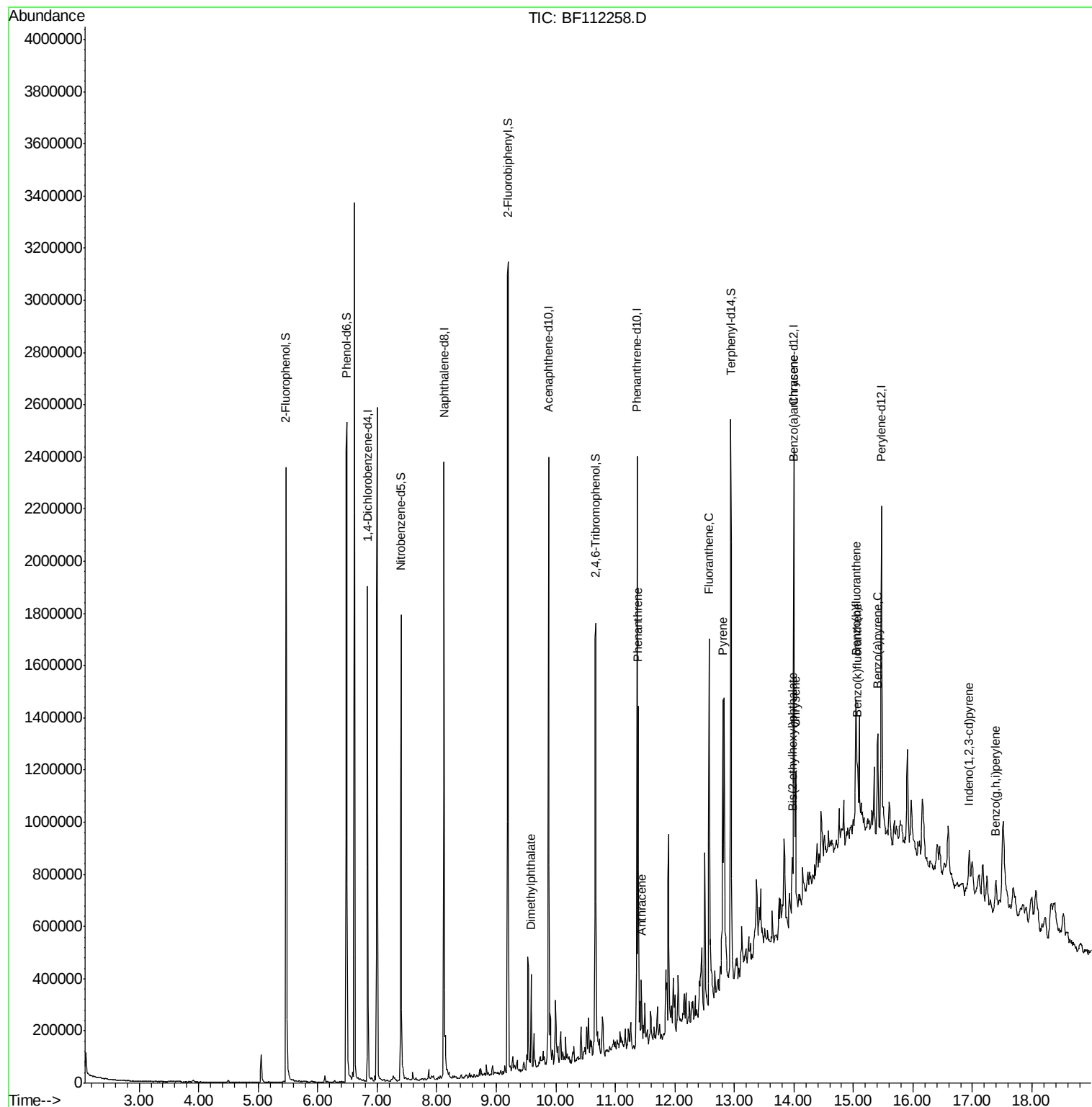
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112258.D
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Sample : K1223-09RE 2X
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ALS Vial : 22 Sample Multiplier: 1

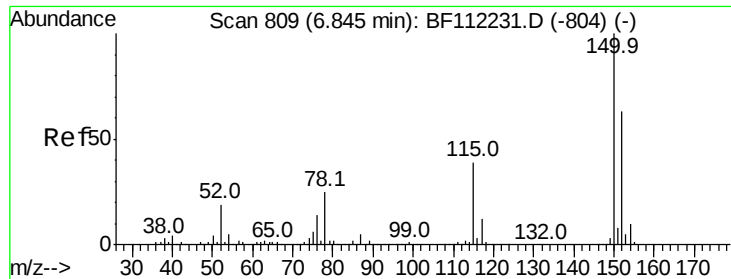
Instrument :
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#1

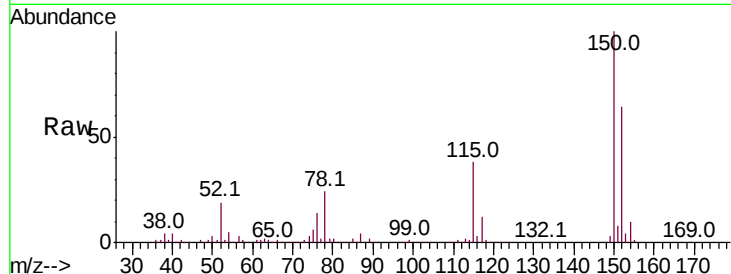
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampleId :
TS-URE

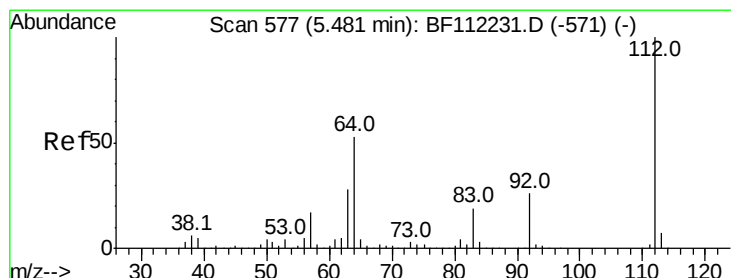
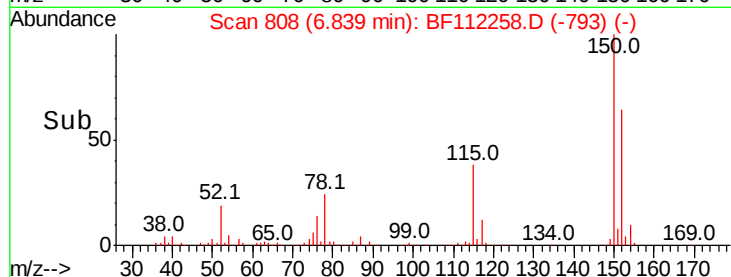
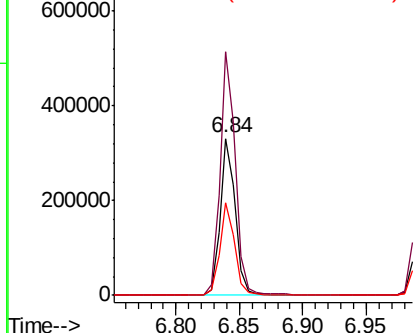
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.0
115	59.5	45.5	68.3

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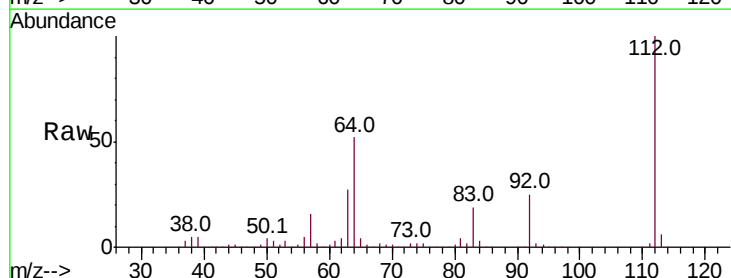
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



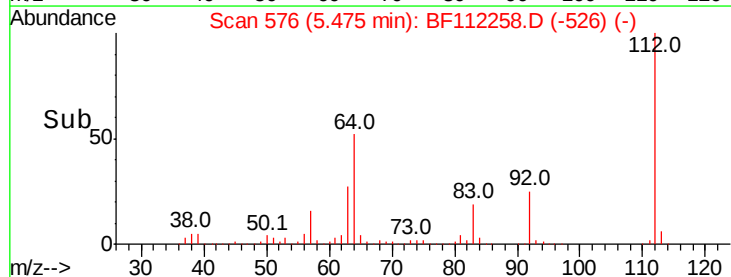
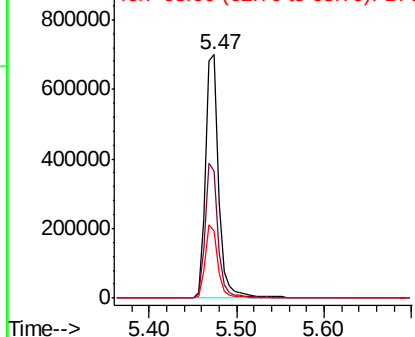
#5

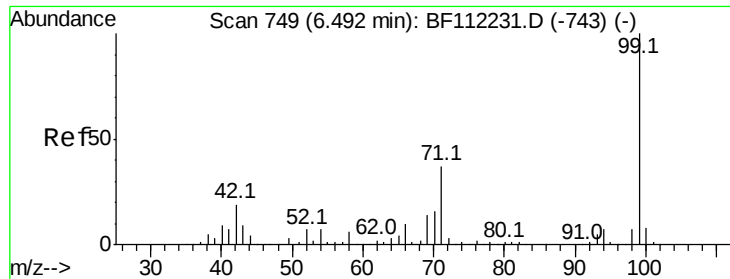
2-Fluorophenol
Concen: 56.931 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	45.7	68.5
63	27.4	23.6	35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 51.031 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

Instrument :

BNA_F

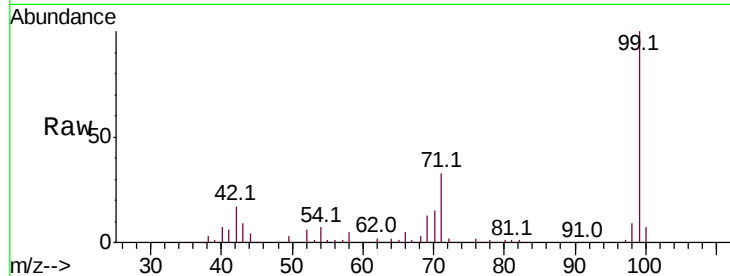
ClientSampleId :

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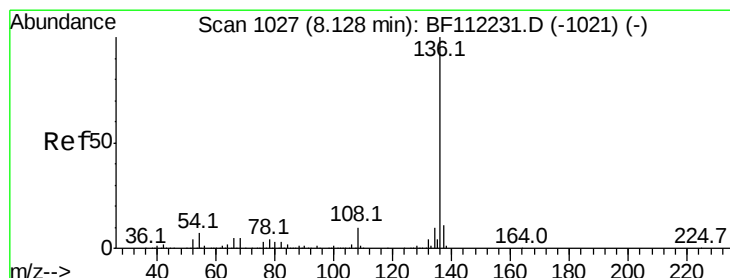
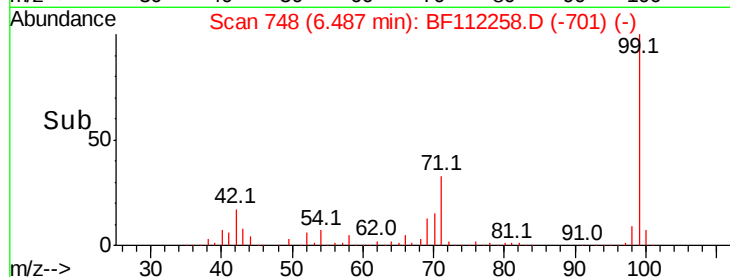
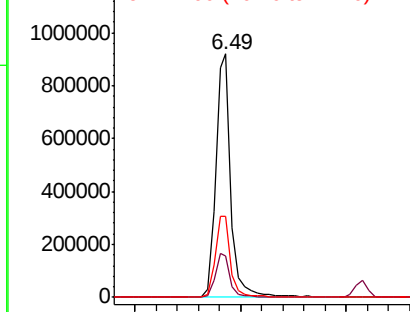
Tot Ion:	99	Resp:	930162
Ion Ratio	Lower	Upper	
99	100		
42	17.2	15.1	22.7
71	33.4	26.9	40.3

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

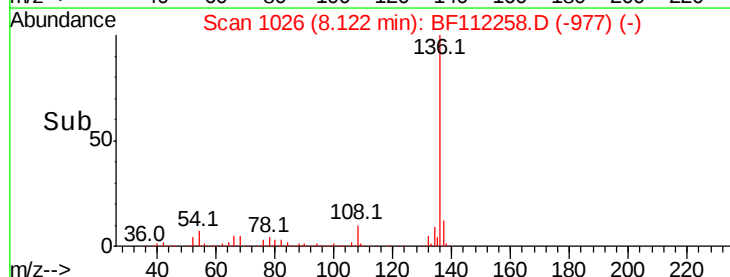
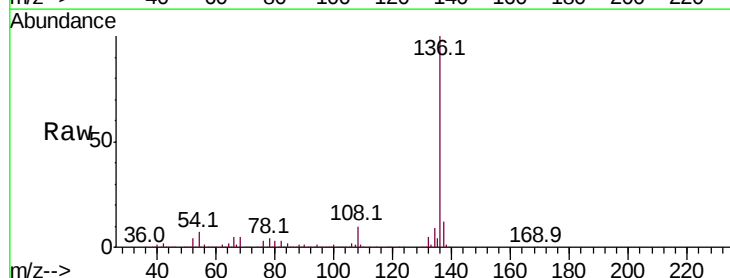
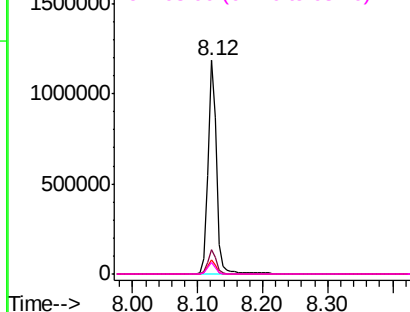
Delta R.T. -0.01 min

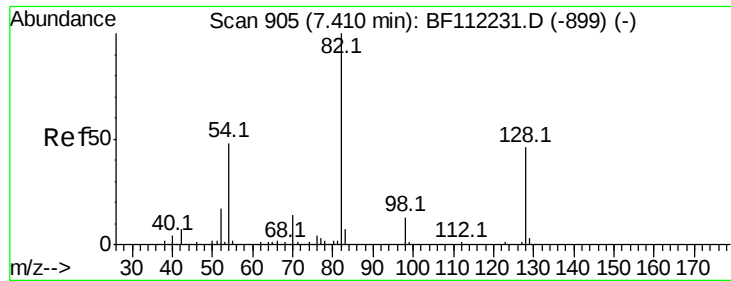
Lab File: BF112258.D

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Tgt Ion:	136	Resp:	1074998
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	6.8	5.9	8.9
68	5.3	5.1	7.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





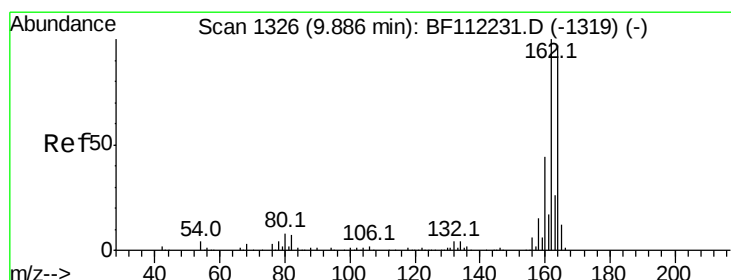
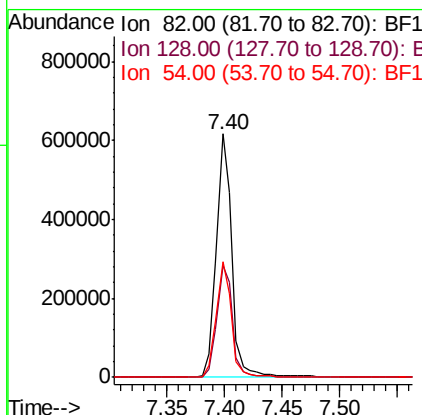
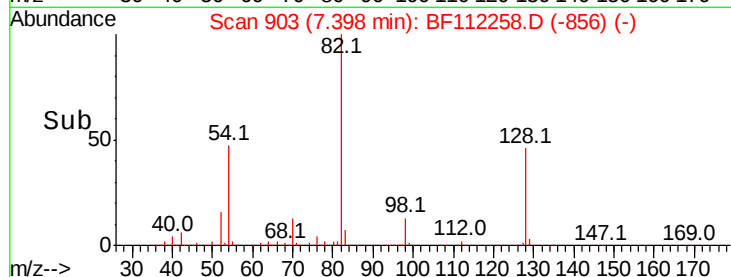
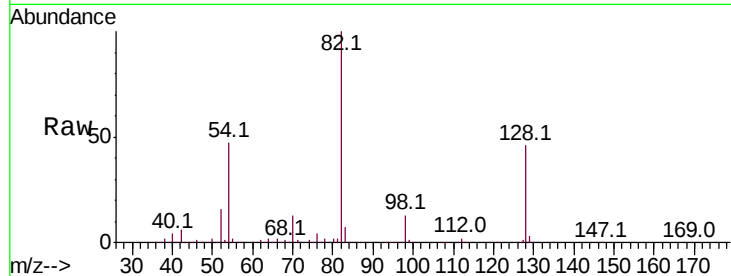
#23
Nitrobenzene-d5
Concen: 30.783 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.8	56.8
54	47.4	39.7	59.5

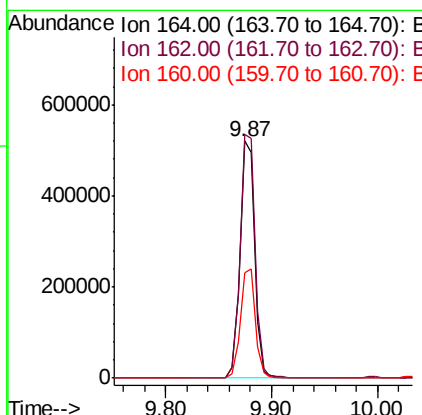
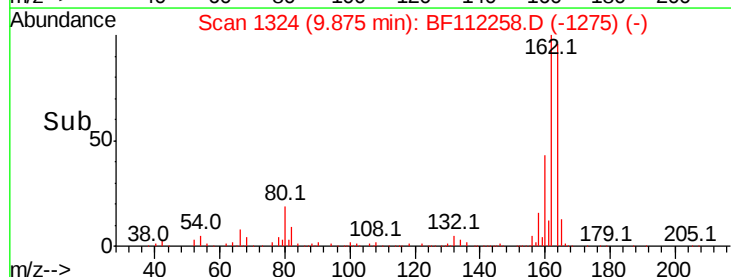
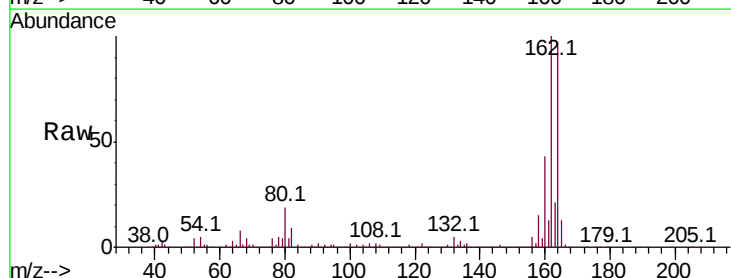
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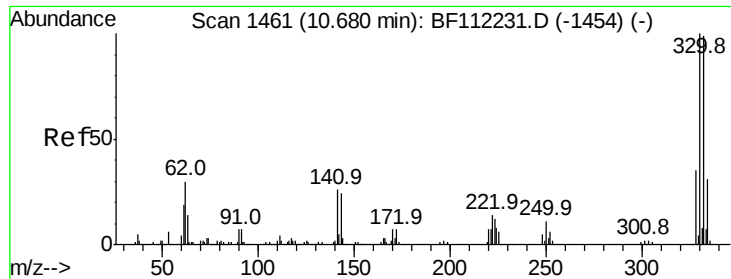
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.4
160	44.2	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 39.722 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

Instrument :

BNA_F

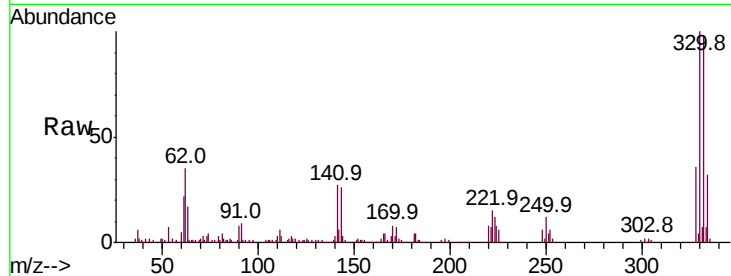
ClientSampleId :

TS-URE

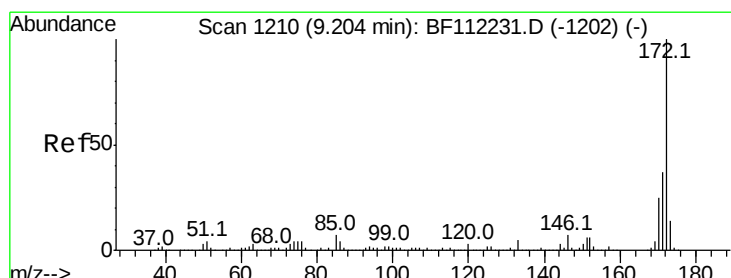
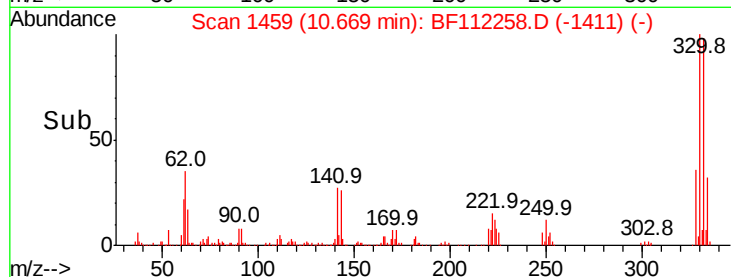
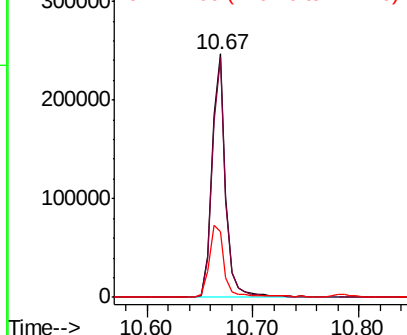
Tot Ion:	330	Resp:	225848
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.6	114.8
141	31.7	24.3	36.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 30.314 ng

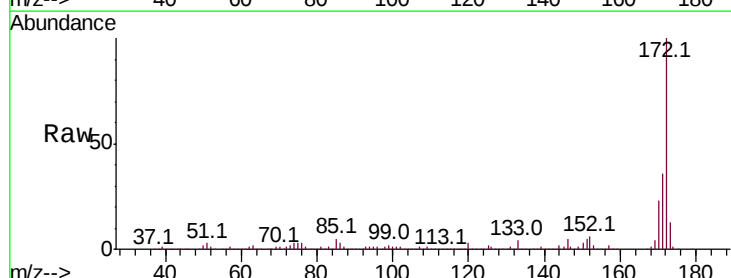
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

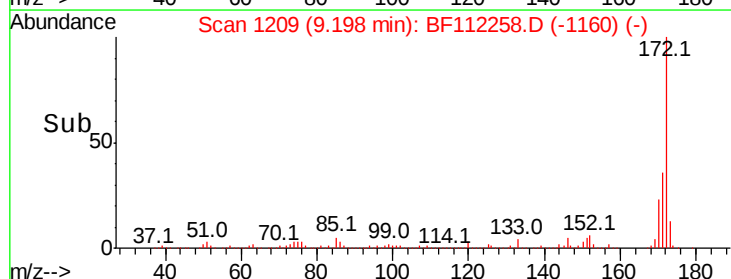
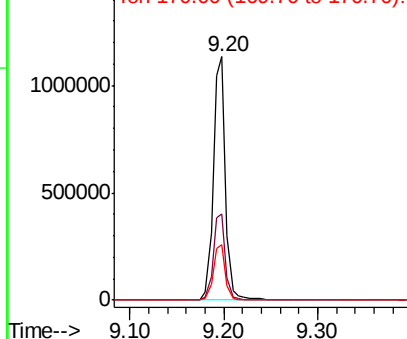
Lab File: BF112258.D

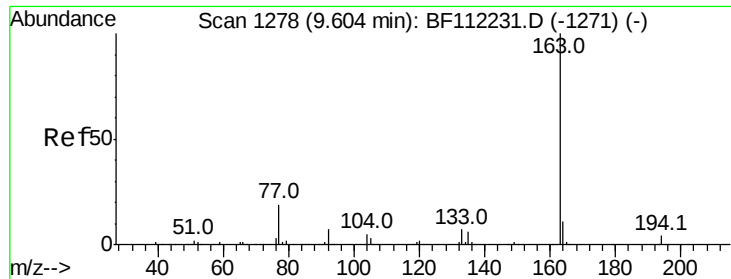
Acq: 26 Jan 2019 3:20

Tgt Ion:	172	Resp:	1046976
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.5	45.7
170	22.9	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





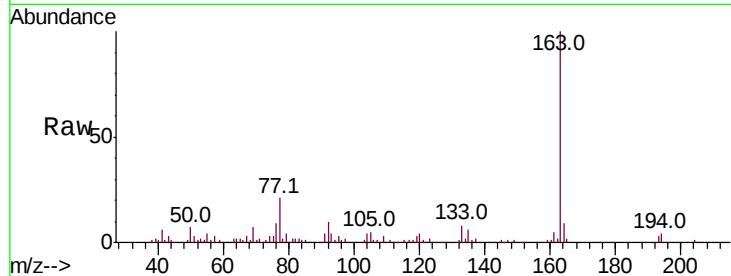
#50
Dimethylphthalate
Concen: 2.793 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampleId :
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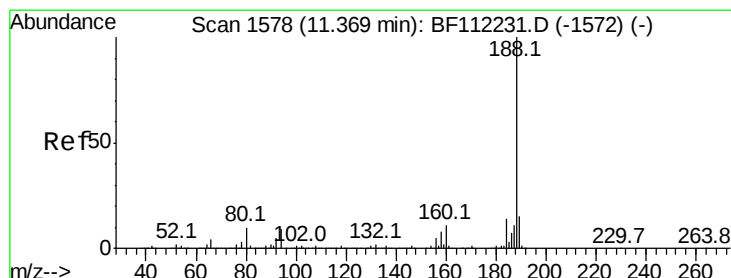
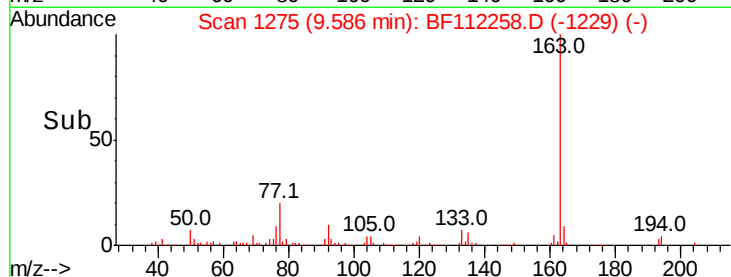
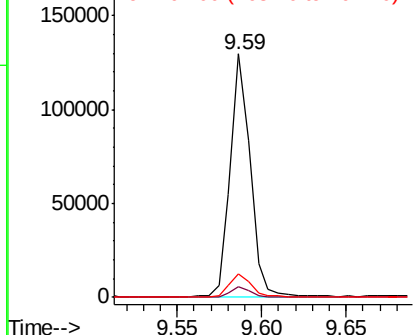
Tot Ion	Ratio	Resp	Lower	Upper
163	100	105996		
194	4.1	3.3	4.9	
164	9.4	8.5	12.7	

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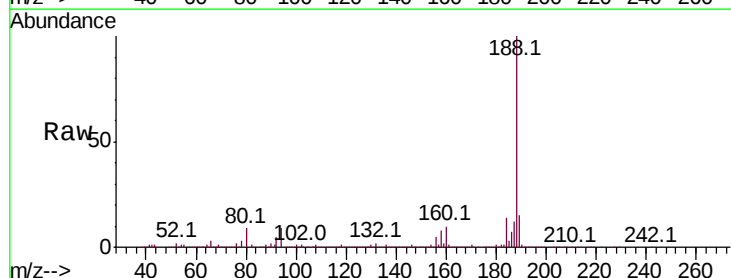


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

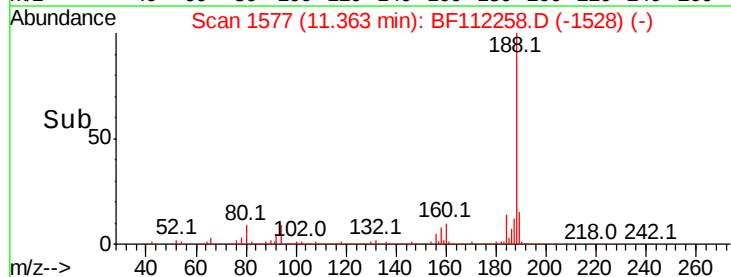
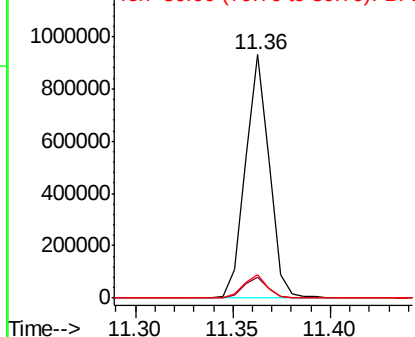


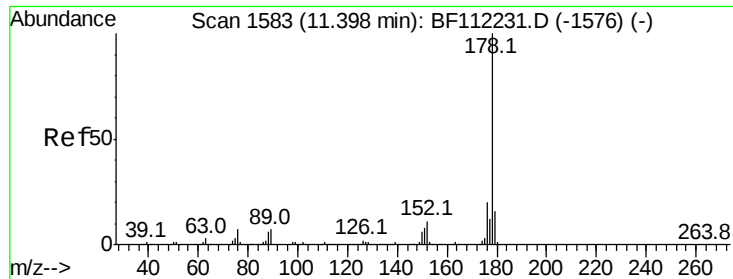
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	784998		
94	8.8	8.2	12.2	
80	9.4	8.9	13.3	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





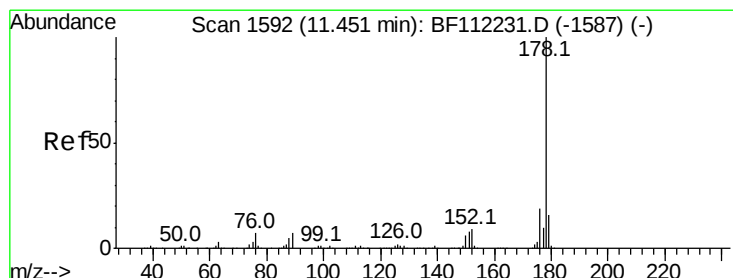
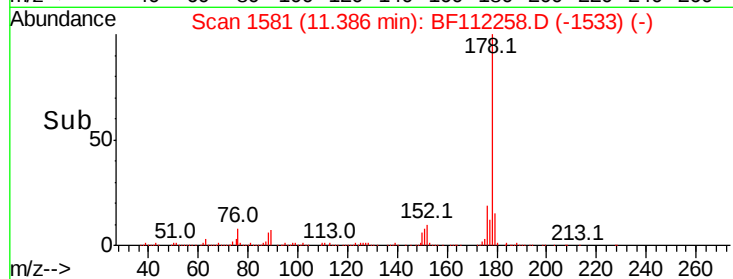
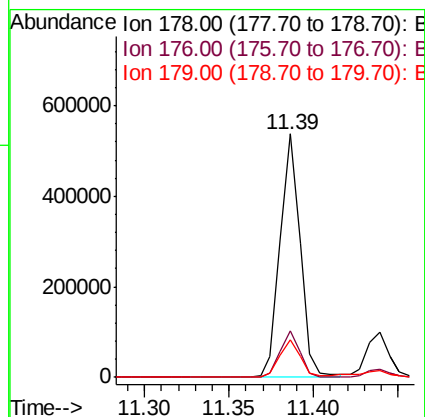
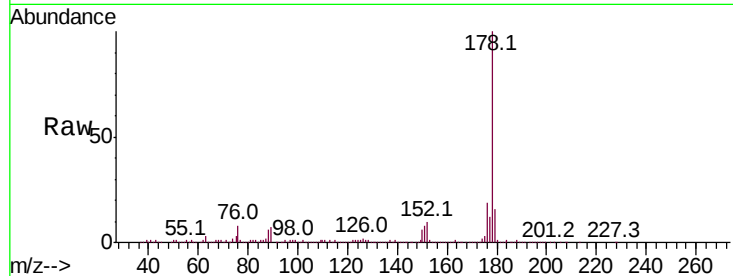
#71
Phenanthrene
Concen: 10.847 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampleId :
TS-URE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.6	13.0	19.4

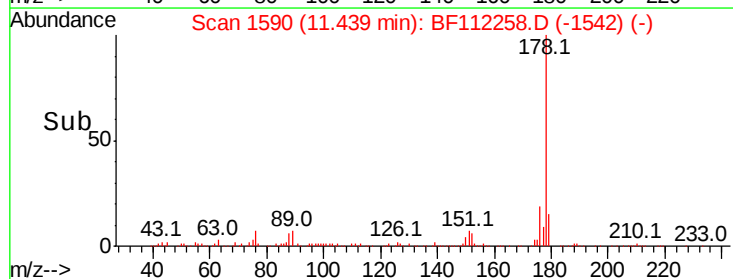
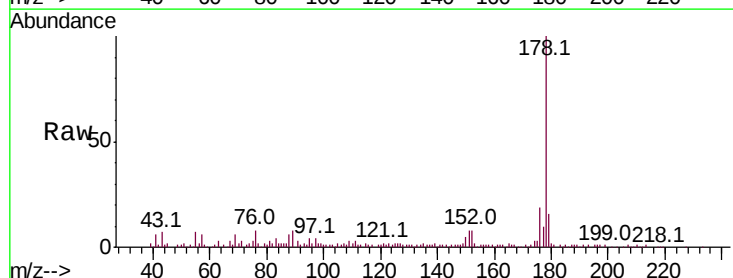
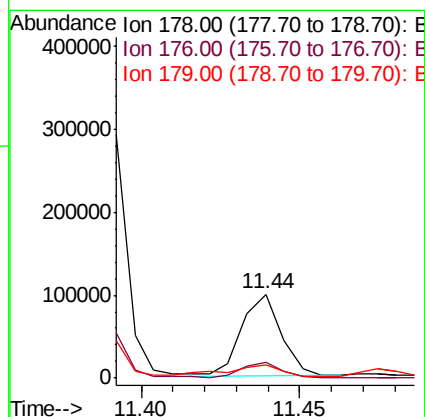
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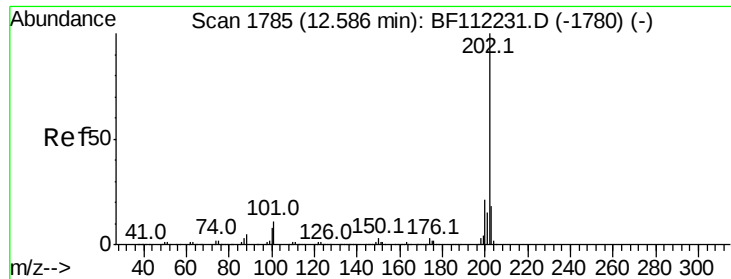
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#72
Anthracene
Concen: 2.115 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.8	12.8	19.2





#75

Fluoranthene

Concen: 11.486 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

Instrument :

BNA_F

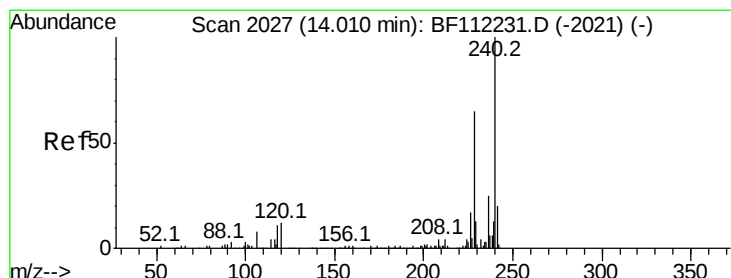
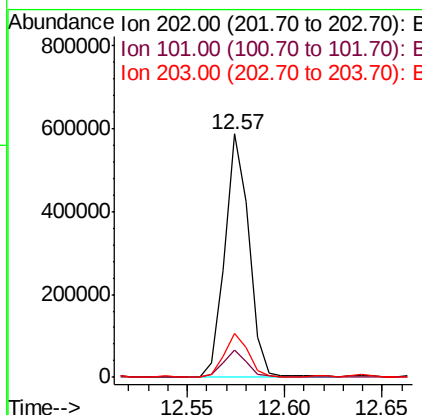
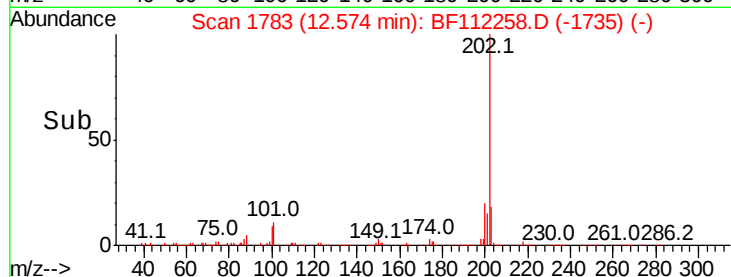
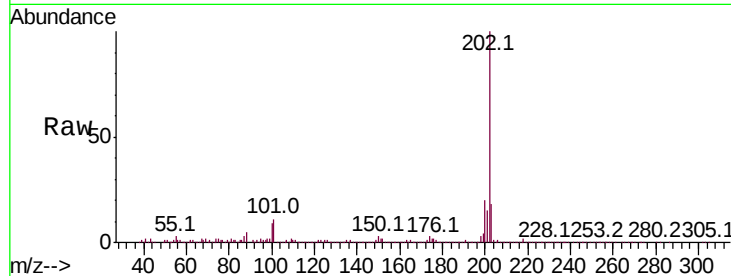
ClientSampleId :

TS-URE

Tot Ion:	202	Resp:	502749
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.8
203	17.9	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

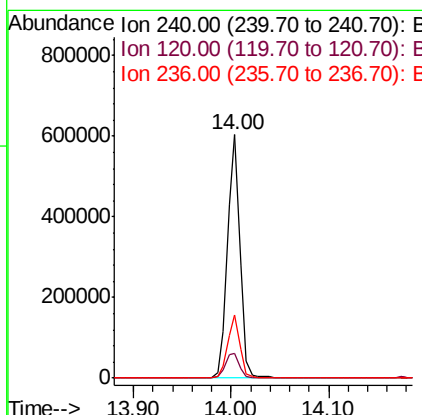
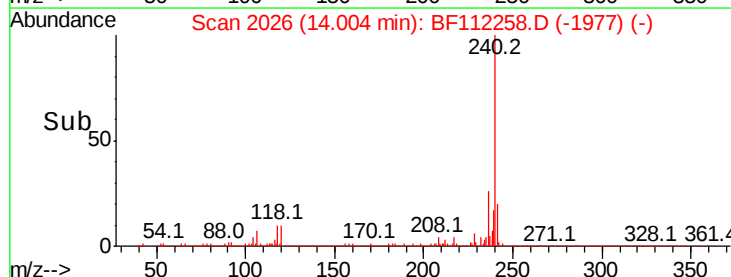
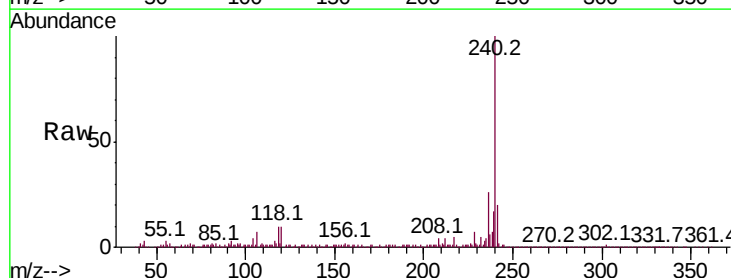
RT: 14.00 min Scan# 2026

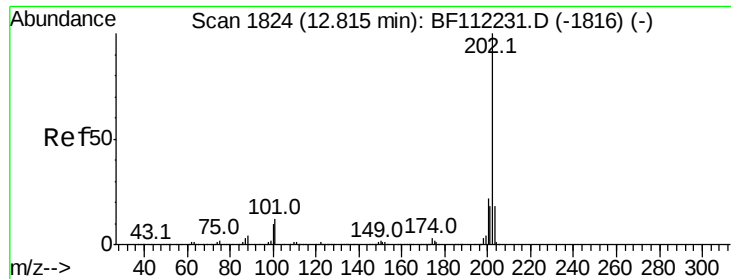
Delta R.T. -0.01 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

Tgt Ion:	240	Resp:	529905
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.0	13.6
236	25.9	20.7	31.1





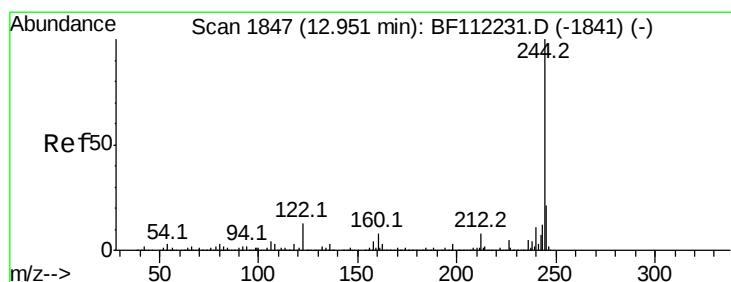
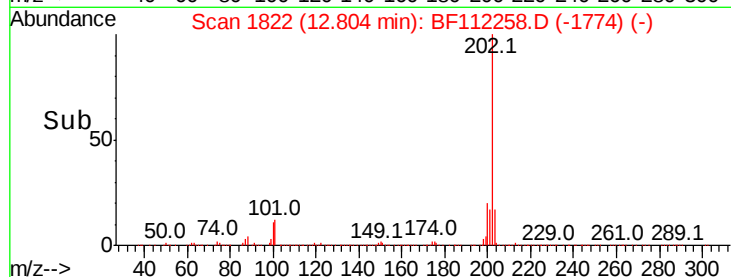
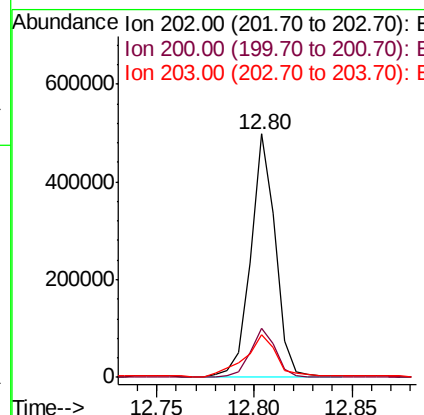
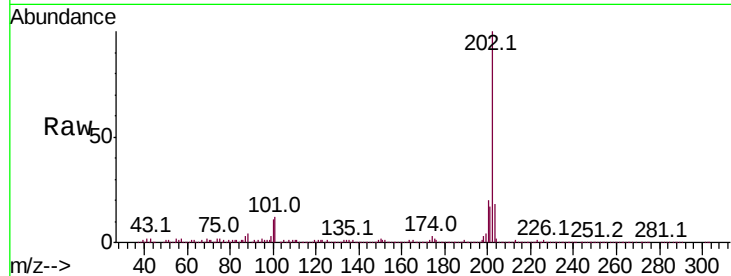
#78
Pvrene
Concen: 11.779 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampleId :
TS-URE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.7	26.5
203	17.8	14.6	22.0

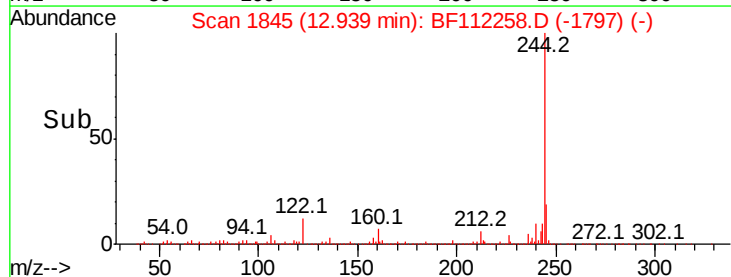
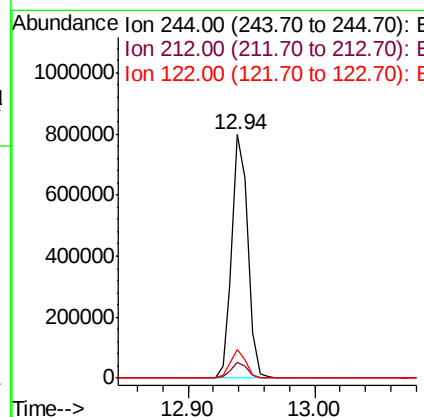
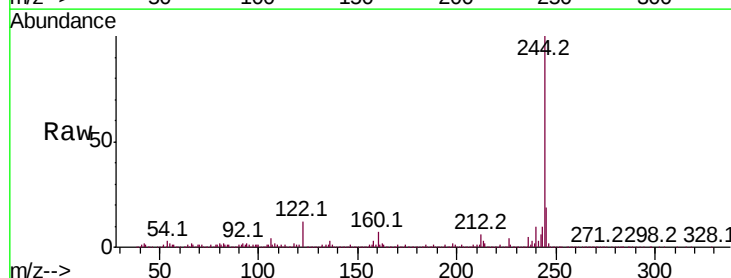
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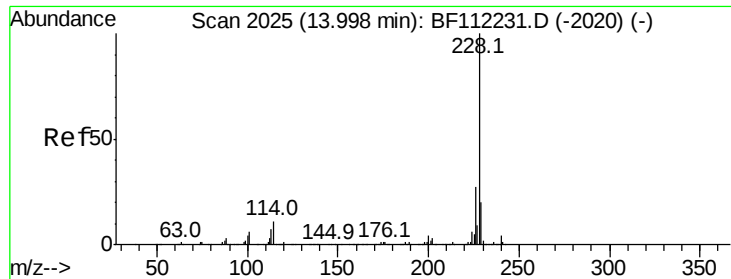
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#79
Terphenyl-d14
Concen: 24.797 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	11.9	9.8	14.6





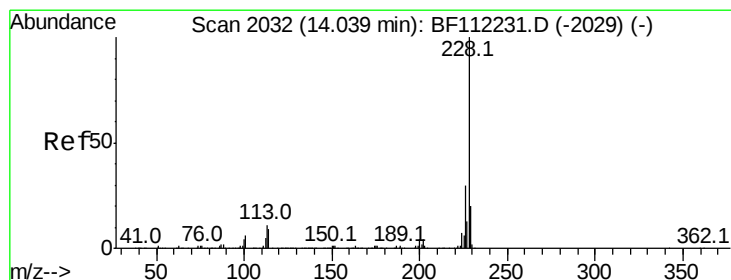
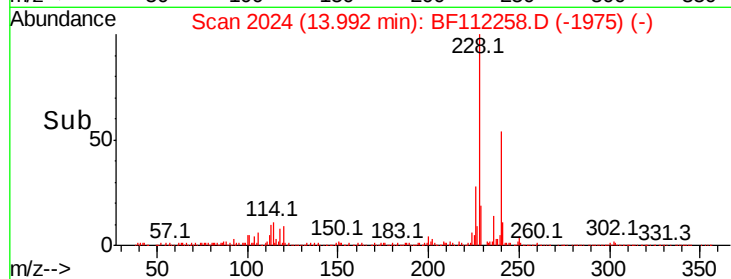
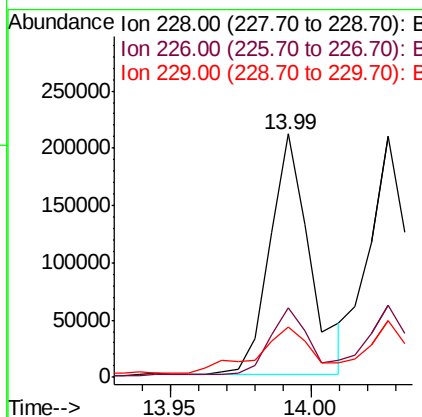
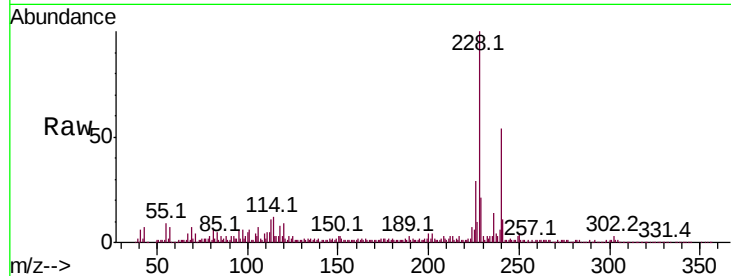
#81
Benzo(a)anthracene
Concen: 6.671 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampled :
TS-URE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	207803		
226	28.7		22.6	34.0
229	20.7		16.5	24.7

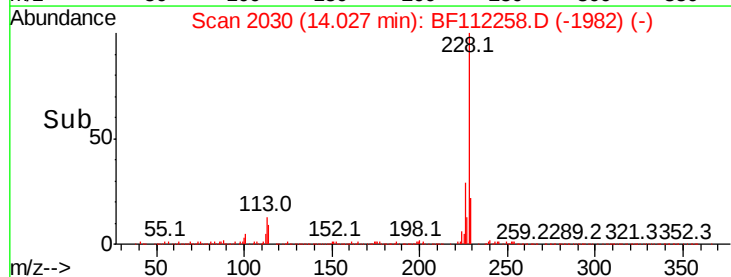
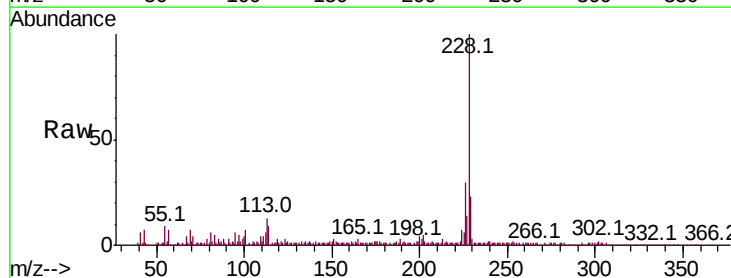
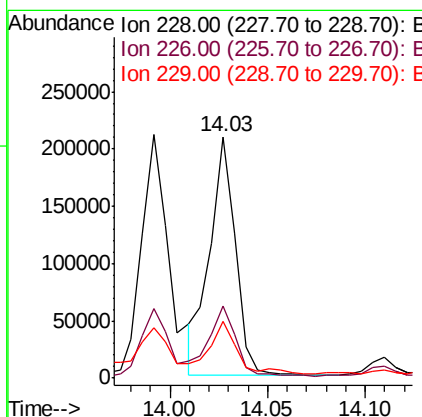
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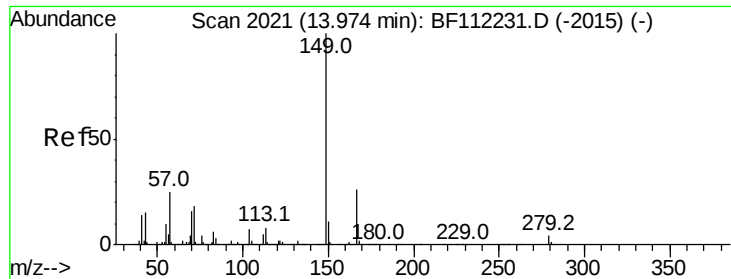
mohammad
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#83
Chrysene
Concen: 6.462 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	192152		
226	29.9		25.0	37.6
229	23.4		16.6	24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.364 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

Instrument :

BNA_F

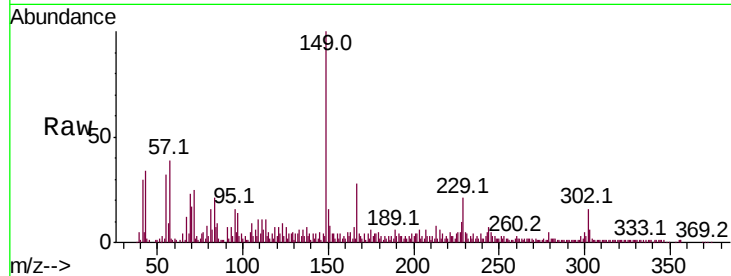
ClientSampled :

TS-URE

Tot Ion:	149	Resp:	59568
Ion Ratio	Lower	Upper	
149	100		
167	27.9	22.5	33.7
279	4.9	3.8	5.6

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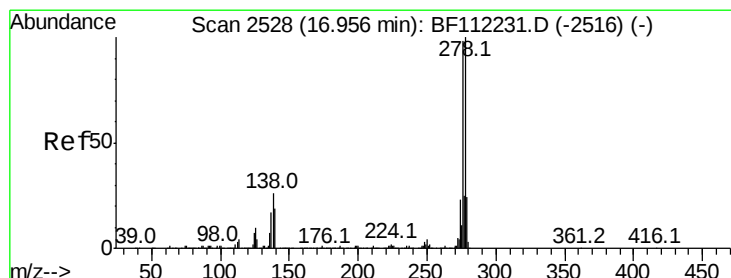
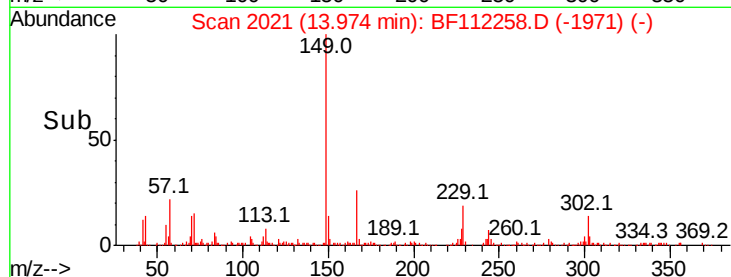
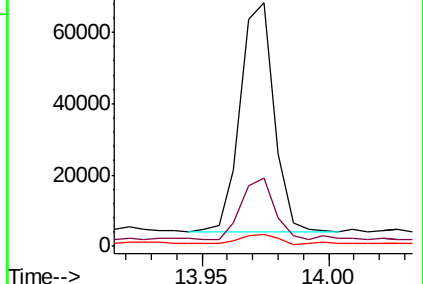
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.563 ng

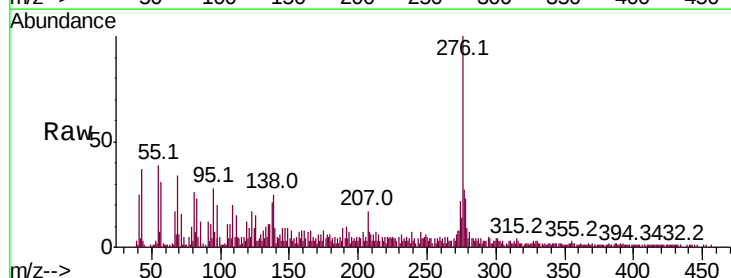
RT: 16.94 min Scan# 2526

Delta R.T. -0.03 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

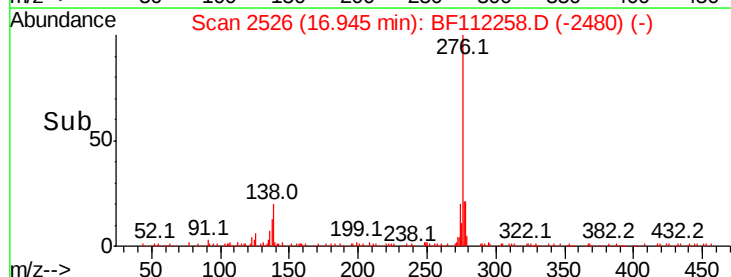
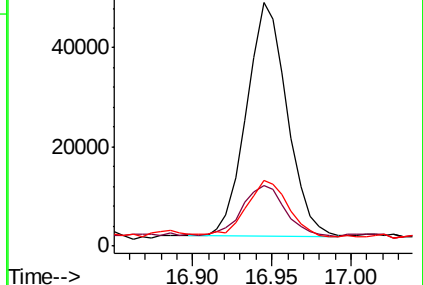
Tgt Ion:	276	Resp:	83960
Ion Ratio	Lower	Upper	
276	100		
138	23.2	22.6	34.0
277	25.6	20.3	30.5

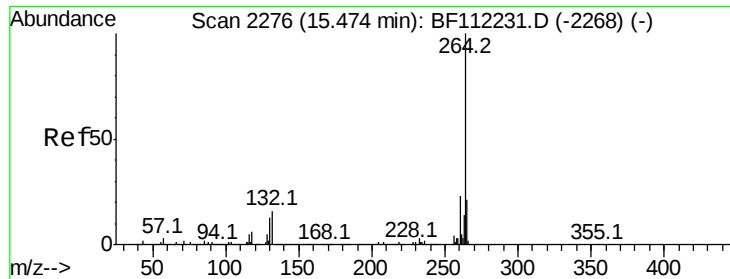


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF112258.D

Acq: 26 Jan 2019 3:20

Instrument :

BNA_F

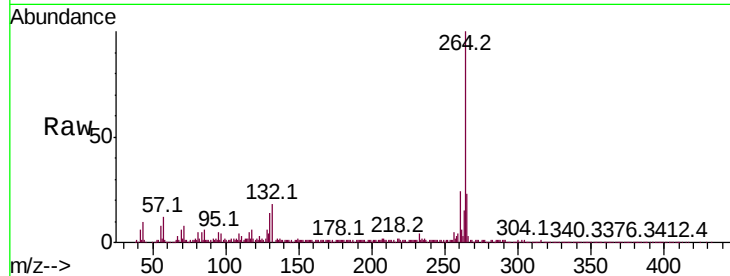
ClientSampled :

TS-URE

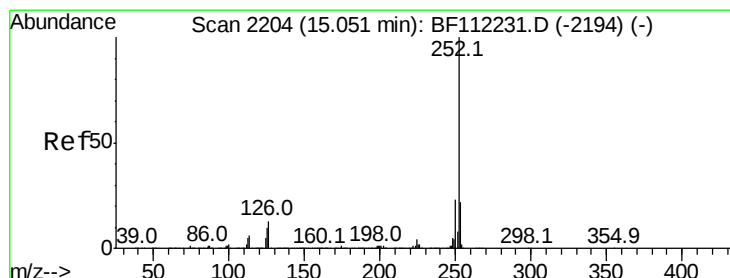
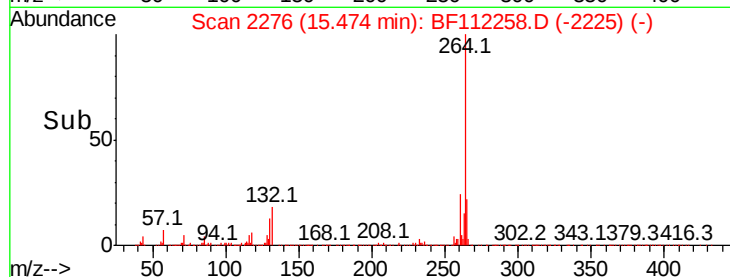
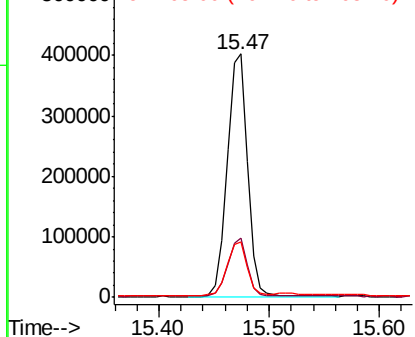
Tot Ion:	264	Resp:	520967
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.2	27.2
265	22.8	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.751 ng m

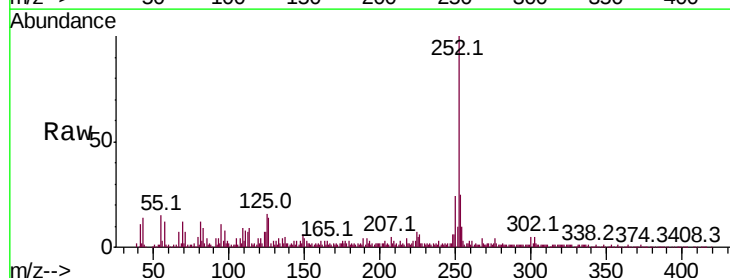
RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

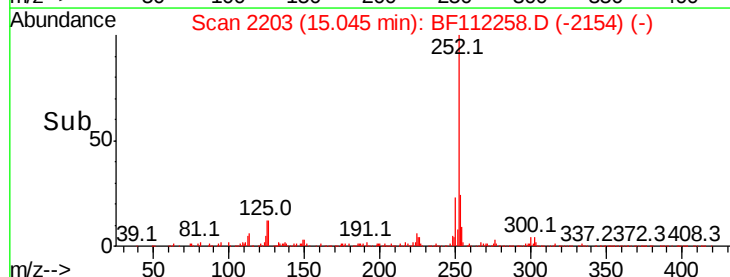
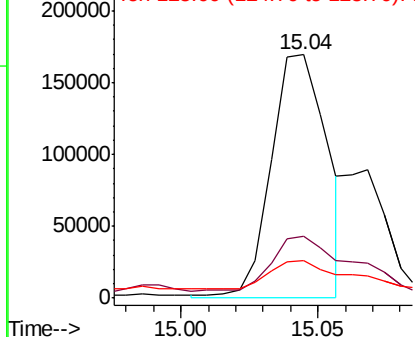
Lab File: BF112258.D

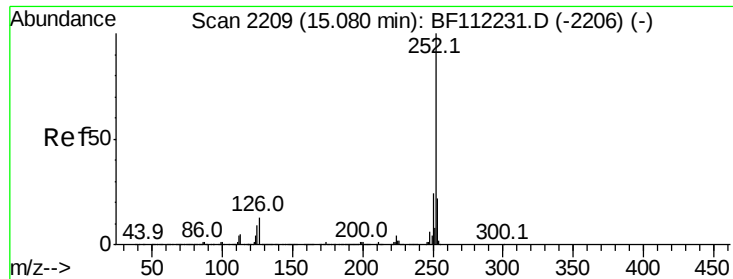
Acq: 26 Jan 2019 3:20

Tgt Ion:	252	Resp:	241491
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.0	27.0
125	15.5	8.7	13.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





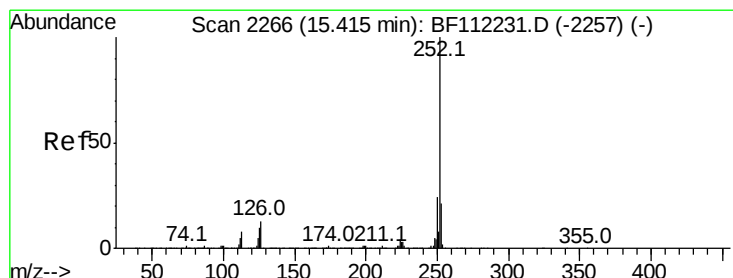
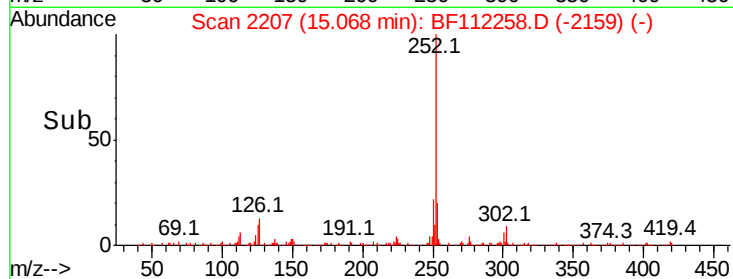
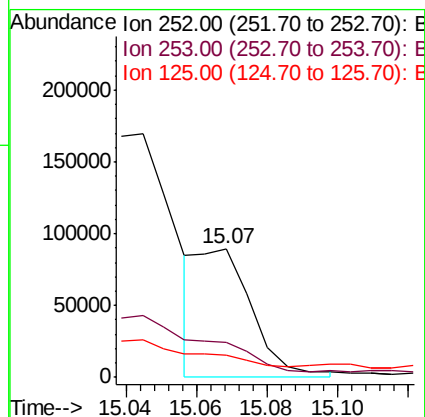
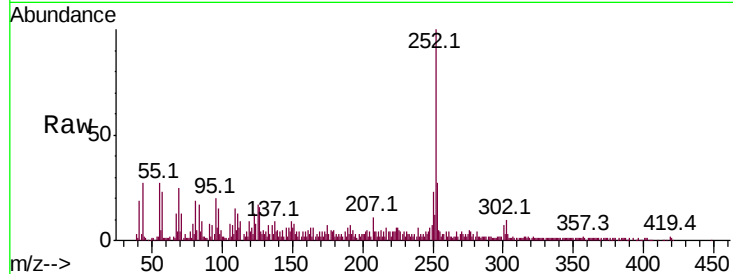
#89
Benzo(k)fluoranthene
Concen: 3.180 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Instrument :
BNA_F
ClientSampled :
TS-URE

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.0	27.0#
125	17.3	9.1	13.7#

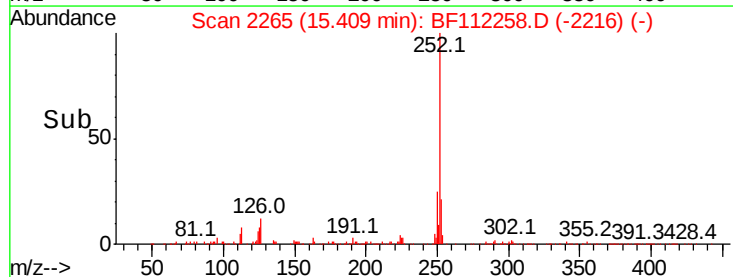
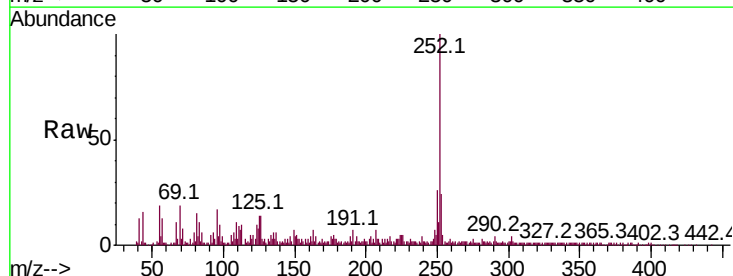
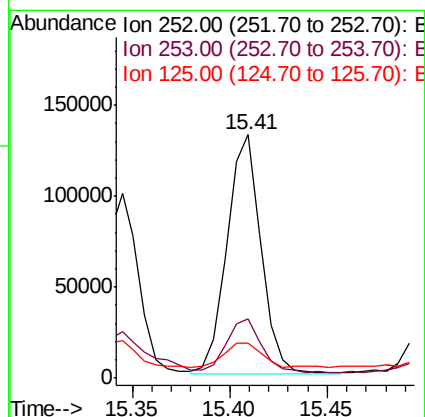
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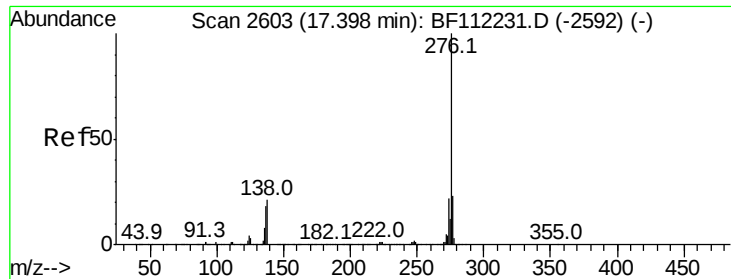
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#90
Benzo(a)pyrene
Concen: 5.706 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112258.D
Acq: 26 Jan 2019 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	14.2	9.0	13.4#





#92
 Benzo(a,h,i)perylene
 Concen: 3.728 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF112258.D
 Acq: 26 Jan 2019 3:20

Instrument :
 BNA_F
 ClientSampleId :
 TS-URE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	27.5	19.1	28.7

Manual Integrations
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